Index of Claims

| Application No. | Applicant(s)     |  |
|-----------------|------------------|--|
| 10/645,017      | RANGWALLA ET AL. |  |
| Examiner        | Art Unit         |  |

Marianne L. Padgett

1762

| 1   | Rejected |
|-----|----------|
| 11. | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla           | aim      |              |               |  |        | Da  | te       |        | •••      |               | 7:::::         | Cl                | aim      |  |  | [  | Date   |               |              |  |          | Cla  | aim      |   |                 |                 |               | ate            | !            |            |            |       |
|---------------|----------|--------------|---------------|--|--------|-----|----------|--------|----------|---------------|----------------|-------------------|----------|--|--|--|--|---------------|--------------|--|----------|--|----------|---|-----------------|-----------------|---------------|----------------|--------------|------------|------------|-------|
|               |          | 1            |               |  |        | Т   |          | Τ      |          | $\top$        | 1              |                   |          |  |  |  |  |               |              |  |          |  | <u>~</u> |   |                 |                 |               |                |              |            |            |       |
| ल             | Original | _            | - 1           |  |        |     |          |        |          |               |                | <u>a</u>          | Original |  |  |  |  |               |              |  |          | Final  | Original |   |                 |                 | -             |                |              |            |            |       |
| Final         | rig      | 1            |               |  |        |     |          |        |          |               |                | Final             | ig       |  |  |  |  |               |              |  |          | i <u>.                                    </u> | rig      |   |                 |                 |               |                |              |            |            |       |
|               | 0        | 10           | 4             |  |        |     |          |        |          |               |                |                   | 0        |  |  |  |  |               |              |  |          |  | O        |   |                 |                 | i             |                | - 1          |            |            |       |
|               | (1)      | 7            |               | Ť  |        | 1   | _        |        | $\top$   |               |                |                   | 51       |  |  |  |  |               |              |  | :::::    |  | 101      |   |                 |                 |               | •              |              | $\neg$     |            | •     |
|               | 2        |              | 1             | 1  | 1      | 1   | 1        | +      | _        |               |                |                   | 52       |  |  | $\vdash$   |  |               |              |  |          |  | 102      |   | $\neg$          |                 |               |                |              |            | 一          |       |
|               | 3        | T            |               | 1  |        | 十   |          | $\top$ |          | $\top$        |                |                   | 53       |  |  |  | $\Box$   | $\top$        | $\top$       |  |          |  | 103      |   |                 |                 |               |                |              |            |            |       |
|               | 4        | T            |               |  | $\top$ | +-  |          | $\top$ |          | $\top$        | 1              | <u> </u>          | 54       |  | 1  | <del>                                     </del> |  |               |              |  |          |  | 104      |   |                 |                 |               |                | 一            | 一          |            |       |
|               | 5        |              |               | 1  | 1      | ╁   | 1        | 十      | $\top$   | +             | <b>∃</b> ∷∷∷   |                   | 55       |  | -  | T  |  |               | 1            |  |          |  | 105      |   |                 |                 | 寸             | $\dashv$       | 一            |            |            |       |
|               | 6        | <del> </del> | -             | $\dagger$  | 1      | +   | +        | +      | $\top$   | _             | <b>-</b>       | -                 | 56       |  | _  | <u> </u>   |  | $\top$        |              |  |          |  | 106      |   |                 | 一十              | $\neg$        |                |              | $\dashv$   | $\neg$     |       |
|               | 7        | ┢            |               | +  | +      | +-  |          | +      | +        | $\top$        | T:::::         | <b></b>           | 57       |  |  | -  |  | $\neg \vdash$ |              |  |          |  | 107      |   | $\neg$          | $\top$          |               |                |              |            |            |       |
|               | 8        |              |               | <u> </u>   | ┼      | 十   | 十        | +      | +        | +             | 1              | <u> </u>          | 58       | <del>  -</del>                                   |  |  |  |               |              |  |          |  | 108      |   |                 | _               |               | $\neg$         | 寸            | $\neg$     |            |       |
|               | 9        |              |               | <del>                                     </del> | †      | 1   | $\dashv$ | 1      | _        | 1             | 7              |                   | 59       |  | +  |  |  | $\top$        | 1-1          |  |          |  | 109      |   |                 |                 | $\neg$        |                |              |            |            | • • • |
|               | 10       | T            |               | +  | +      | +   |          |        | +        | - -           | 1              |                   | 60       |  |  | 1  |  | $\neg   \neg$ |              |  |          |  | 110      |   |                 |                 | T             |                |              |            |            |       |
|               | 11       |              | $\dag \vdash$ | +  | $\top$ | +   | +-       | +      | $\top$   | +-            | 1              |                   | 61       |  | +  | T  |  | _             | 1            |  |          |  | 111      |   |                 | _               |               | $\overline{}$  | $\dashv$     | $\dashv$   |            |       |
|               | (12)     | $\vdash$     | #             | +  | +      | +   | _        | +      | -        | $\top$        | 1              |                   | 62       |  | 1  |  | $\vdash$   | _             | 1            | <del>                                     </del> |          |  | 112      |   | $\top$          | $\dashv$        | $\dashv$      | $\neg \dagger$ |              |            |            |       |
|               | 13       | -            | -             | 1  | 1      | +   | +        | +      |          | +             | <b>-</b>       |                   | 63       |  | _  | T  |  |               |              |  |          | · ·  | 113      |   | _               | $\dashv$        |               |                | $\neg$       | 1          |            | •••   |
|               | 14       | t            | H             | +  |        | +   | +        | +      | $\dashv$ | +             | 1              |                   | 64       | <del>                                     </del> | $\neg$   |  | $\vdash$   | -             | $\top$       |  |          |  | 114      |   |                 | $\top$          | $\dashv$      |                | $\neg$       |            |            |       |
|               | 15       | $\dagger$    | -             | 1  | +      | +   | +        | +      |          | -             | 1              |                   | 65       | -  | +  | 1  |  | _             | _            |  |          |  | 115      |   |                 | _               |               |                |              |            |            |       |
|               | (16)     | 1            | 1             | +  | +      | +   | $\dashv$ | +      | $\dashv$ | -             | 1              |                   | 66       | <del>  -</del>                                   | +  | $\vdash$   |  | $\dashv$      | 1            | -  |          |  | 116      |   |                 | $\dashv$        | $\dashv$      |                |              |            |            |       |
|               | 17       | +            | $\vdash$      | +  | +-     | +   | +-       | +      | +        | <del>- </del> | 1              |                   | 67       | ++   | +  | $\vdash$   |  |               | +            |  |          |  | 117      |   |                 | $\dashv$        | $\dashv$      |                |              |            |            |       |
|               | 18       | ╁            | H-            | +  | +      | +-  |          | +      | _        | +             | -              |                   | 68       |  |  | $\vdash$   | $\vdash$   | _ -           | _            | -  |          |  | 118      |   | $\dashv$        | $\dashv$        | $\dashv$      |                | $\dashv$     |            |            | _     |
|               | 19       | t            | $H^-$         | +  | +-     |     |          | +      | -        | ╅             | -              |                   | 69       |  | +  | +-   | <del>  -</del>                                   | $\dashv$      | -            | -  |          |  | 119      |   |                 | 十               |               |                |              | _          |            | •     |
|               | 20       | ╁            | <b>-</b>      |  | +      | +   | +        | ╁      |          | +             | 1              | · · · · · · · · · | 70       | -  | +  | $\vdash$   |  |               |              |  |          |  | 120      |   |                 | $\neg \vdash$   | $\dashv$      |                | $\neg$       | -          |            |       |
|               | (21)     |              |               | +-   | +      | +   | +        |        | +        |               | -              |                   | 71       |  | <del> </del>                                     | $\vdash$   |  |               | +            | -  |          |  | 121      | - |                 | $\dashv$        |               | _              |              |            |            |       |
|               | 22       | 1            | $\vdash$      | +  | +      | +   | +        |        | +        | +             | ┨᠁             |                   | 72       | $\vdash$   |  | +  |  | -             | +            | -  |          |  | 122      |   |                 | $\dashv$        | $\neg$        | $\dashv$       | $\dashv$     | _          |            |       |
| · · · -       | 23       | +            |               |  | +      | +   | $\dashv$ |        |          | +             | -{:::::        | -                 | 73       | ┼┼   | <del>                                     </del> | $\vdash$   |  |               | +            |  |          |  | 123      |   |                 | -+              |               | $\dashv$       | $\dashv$     |            |            |       |
|               | 24       | H            |               |  | +      | +   | +        | +      |          | +             | -              |                   | 74       | +  | +  | $\vdash$   |  |               | +-           |  |          |  | 124      | - |                 | _               | $\dashv$      | $\dashv$       | -            |            |            |       |
|               | 25       | +            | +             | +  | +      | +   | +        | +      |          |               | -              | <u> </u>          | 75       | -  | <del></del>                                      | ╫  | $\vdash$   |               | +            | $\vdash$   |          |  | 125      |   | -               | _               |               |                |              | _          |            |       |
| - بن          | 26       | 1            |               | <del> </del>                                     |        | - - | +        | +      | +        | ┪             | -              | <b></b>           | 76       |  | +  | $\perp$  | $\vdash$   |               |              |  |          |  | 126      |   |                 | 十               |               |                | $\dashv$     | $\dashv$   |            | _     |
|               | 27       | +            | +             | +  | +      | ╁   | +        | ╁      | -        | $\dashv$      | ∃::::          |                   | 77       |  |  | ╁──  | $\vdash$   | $\dashv$      | +-           |  |          | ***  | 127      |   |                 | $\dashv$        |               |                |              | 1          |            |       |
|               | 28       | ╁            |               |  | +      | ╁   | +        | ╅      | +        | +             | -              |                   | 78       |  |  | $\vdash$   | -  | -             | +            | $\vdash$   |          |  | 128      | · |                 | $\dashv$        | $\rightarrow$ |                | $\dashv$     | 一          |            |       |
|               | 29       | ╁            |               | +  | +      | +   |          |        | - -      | +             | - :::::        |                   | 79       | ┢╌┼  | -  | +  |  | -             |              | -  |          |  | 129      |   |                 | $\dashv$        |               |                | $\dashv$     | $\dashv$   |            |       |
|               | 30       | ╁            |               | -  |        | +   | +        | +      |          | +             | -{::::::       |                   | 80       | ┼  | +  | $\vdash$   |  |               | _            | $\vdash$   |          |  | 130      |   |                 | 一               |               | $\dashv$       | $\dashv$     | $\dashv$   |            |       |
|               | 31       | ╁            |               | +  | +      | +-  | +        | +      | +        |               | <b>∃</b> ::::: | }                 | 81       | $\vdash$   | +  | +-   |  | +             | <del> </del> | $\vdash$   |          |  | 131      |   | $\vdash$        | -               | $\neg$        | $\dashv$       |              | $\dashv$   |            |       |
|               | 32       | ╁            | +             | +  | +-     |     |          | +      | +        | +             | -              |                   | 82       |  | <del> </del>                                     | +-   | $\vdash$   |               |              | $\vdash$   |          |  | 132      |   | _               | +               |               |                |              | _          |            |       |
|               | 33       | ╁            |               | +  | +      | +   |          | +      | +        |               | -              |                   | 83       |  | <del> </del>                                     | ┼  | ╂  | $\dashv$      | +-           | <del> </del>                                     |          |  | 133      |   |                 | $\dashv$        | $\dashv$      | $\neg$         |              | -          |            |       |
|               | 34       | +            |               | +  | -      | -   |          | +      | +        | -             | -              |                   | 84       |  | +  | +  | <del>                                     </del> | $\dashv$      | +            |  |          |  | 134      |   |                 | _               | $\dashv$      | $\dashv$       | $\dashv$     | $\dashv$   |            |       |
|               | 35       | +            |               | +-   | +      | +   |          | +      | +        |               | -              |                   | 85       | -  | +  | +  | $\vdash$   | $\dashv$      | +            | $\vdash$   |          |  | 135      |   |                 | -+              | $\dashv$      | $\dashv$       |              |            |            |       |
| ·             | 36       | +            | +             |  | +      | +-  |          | +      | +        | +             | -              | <del> </del>      | 86       |  | $\dashv$   | +  | +  |               | -            | $\vdash$   |          |  | 136      |   |                 | -+              | $\dashv$      |                |              | $\dashv$   |            |       |
|               | 37       | +            |               | +  | +-     | +   |          | +      | -        | - -           | -              | <u> </u>          | 87       |  | -  | +  |  |               | -            | $\vdash$   |          |  | 137      |   |                 | $\dashv$        |               |                | <del> </del> | $\dashv$   |            |       |
| ·             | 38       | -            |               |  | +-     | +-  |          | +      | +        | +             | -              |                   | 88       | 1  | $\dashv$   | +  | $\vdash$   |               | _            |  | <b> </b> |  | 138      |   | -               | $\dashv$        |               |                | $\dashv$     | $\dashv$   |            |       |
| <del></del> - | 39       | +            |               | +  | +      | +   | +        | +      | +        |               | -              | <u> </u>          | 89       | +  |  | +  | ┼╌┼  | +             | +            |  |          |  | 139      |   |                 | -               | $\dashv$      | $\dashv$       | $\dashv$     | $\dashv$   |            |       |
|               | 40       | +-           |               | +  | +-     | +   |          | +      | +        | - -           | -              |                   | 90       | +  | +  |  | $\vdash$   | -             | +            | $\vdash$   | l        | <del></del>                                    | 140      |   |                 | 十               |               |                |              | $\dashv$   | 1415 111-1 |       |
|               | 41       | +            | - -           | -  | -      | +   | - -      | +      | +        | +             | -              |                   | 91       | <del>  -</del>                                   | +  | +  | <del>  </del>                                    |               | +            | <del>                                     </del> | 1        |  | 141      | - | $\dashv$        | $\dashv$        | $\dashv$      | _              |              | $-\dagger$ |            |       |
|               | 42       | +            |               |  | +      | +   |          | +      | +        | +             | -              |                   | 92       | +-+  |  | -  | $\vdash$   |               | +            | <del>                                     </del> |          |  | 142      |   | <del>  -</del>  | $\dashv$        |               |                | -            | -+         |            |       |
|               | 43       | +            |               | +-   | +      | +   | $\dashv$ | +      | -        | +             | -              |                   | 93       | ++   | -  | -  | +  | $\dashv$      | +            |  |          |  | 143      |   |                 | $\neg \dagger$  |               | $\neg$         | $\dashv$     | 一十         |            |       |
|               | 44       | +            | +             | +  | +      | +   | +        | +      | $\dashv$ | +             | -              |                   | 94       | <del>                                     </del> | -  | +  | 1-1  | -             | +            |  |          |  | 144      |   |                 | $\dashv$        |               |                | $\dashv$     |            |            |       |
|               | 45       | +            | +-            | +  | +      | +   |          | +      | -        | +             | 1              |                   | 95       | ++   |  | +-   |  |               | 1            |  |          |  | 145      |   |                 |                 |               | $-\dagger$     |              |            |            |       |
|               | 46       | +            | +             | +-   | +      | +   | $\dashv$ | +      | +        | +             | -              | <b> </b>          | 96       | <del>  -</del>                                   |  | +-   |  | _             | <del> </del> | 1  |          |  | 146      |   |                 | +               |               |                |              |            |            |       |
|               | 47       | +            | +             | +  | +      | +   |          | +      |          | +             | -              |                   | 97       | -  | -  | <del> </del>                                     | -  |               | _            |  |          |  | 147      |   | $\vdash \vdash$ | $\dashv$        |               |                | _            | $\dashv$   | ·          |       |
|               | 48       | +            |               | +  | +-     | +-  |          | +      | +        | -             | -              |                   | 98       | ++   | +  | -  | <del>                                     </del> |               | 1-           | -  |          |  | 148      |   | $\vdash$        | $\neg \uparrow$ |               |                |              |            |            |       |
|               | 49       | +            |               | -  | +      | +   | +-       | +      | +        | -             | -              | <del></del>       | 99       | ++   | -  | <del>  -</del>                                   | -  |               |              | <del>                                     </del> |          |  | 149      |   | $\vdash$        | $\dashv$        |               |                |              | $\dashv$   |            |       |
|               | 50       | +            | +             | +  | +      | +   | -        | +      | +        | +             | -              |                   | 100      | ╁╼┼  | <del></del>                                      | +  | 1  |               | +-           | +-   |          | •  | 150      |   | $\vdash$        | -               | $\dashv$      |                |              | +          |            |       |
|               | 1 30     |              |               | i  | 1      |     | l        | _L_    |          | i             | :::::          |                   | 1100     |  | l  | Ц  | 1  |               | L            | J  | J        |  |          | 1 | ıJ              | i               |               |                | 1            |            |            | L     |